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OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 01:47:15 ; Search time 62 Seconds

Title: US-10-018-878-9

Perfect score: 45

Sequence: 1 agcaaacattaaacagcggtg.....acattattgataatcagggttc 45

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/2/ina/EA-COMB.seq.*
- 2: /cgn2_6/ptodata/2/ina/SA-COMB.seq.*
- 3: /cgn2_6/ptodata/2/ina/EA-COMB.seq.*
- 4: /cgn2_6/ptodata/2/ina/EA-COMB.seq.*
- 5: /cgn2_6/ptodata/2/ina/PTUS-COMB.seq.*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	23.6	52.4	2453	4	US-08-961-527-316
2	21.6	48.0	723	4	US-09-328-352-3411
3	21.2	47.1	580073	4	US-08-545-5280-1
4	21	46.7	190	3	US-09-060-410-8
5	21	46.7	190	4	US-09-723-458-8
6	21	46.7	614	4	US-09-221-0178-1040
7	21	46.7	786	4	US-09-328-352-599
8	21	46.7	1521	4	US-09-328-352-1397
9	21	46.7	2643	4	US-09-486-072-6
10	21	46.7	46819	4	US-09-453-702B-72
11	20.8	46.2	3454	4	US-09-963-137-151
12	20.8	46.2	3454	4	US-09-963-137-178
13	20.8	46.2	164976	4	US-08-916-421B-1
14	20.8	46.2	1830121	4	US-09-557-884-1
15	20.8	46.2	1830121	4	US-09-543-990A-1
16	20.6	45.8	882	4	US-09-107-532A-1988
17	20.6	45.8	1696	3	US-09-028-366-1
18	20.6	45.8	1696	4	US-09-715-285-1
19	20.6	45.8	786431	4	US-09-751-389-3
20	20.4	45.3	705	4	US-09-540-236-278
21	20.4	45.3	6703	4	US-09-586-002-7
22	20.4	45.3	1664976	4	US-08-516-421B-1
23	20.2	44.9	466	4	US-09-621-976-10105
24	20.2	44.9	1647	6	5405943-3
25	20.2	44.9	2147	4	US-09-023-655-1221
26	20.2	44.9	6948	4	US-09-543-681A-1262
27	20	44.4	634	3	US-08-998-416-152

C 28	20	44.4	1975	4	US-09-910-174B-3	Sequence 3, Appli
C 29	20	44.4	1975	4	US-09-620-461-3	Sequence 3, Appli
C 30	20	44.4	2091	4	US-09-134-001C-1459	Sequence 1459, Ap
C 31	20	44.4	2229	4	US-09-910-174B-1	Sequence 1, Appli
C 32	20	44.4	2229	4	US-09-620-461-1	Sequence 1, Appli
C 33	20	44.4	3652	4	US-08-961-527-251	Sequence 251, App
C 34	19.8	44.0	400	4	US-08-956-171B-1988	Sequence 1988, Ap
C 35	19.8	44.0	1326	4	US-09-891-641-81	Sequence 81, Appl
C 36	19.8	44.0	2307	3	US-08-942-008-1	Sequence 1, Appli
C 37	19.8	44.0	2853	4	US-09-328-352-542	Sequence 542, App
C 38	19.8	44.0	7411	4	US-09-634-238-27	Sequence 27, Appl
C 39	19.8	44.0	148567	4	US-09-801-876B-3	Sequence 3, Appli
C 40	19.8	44.0	148567	4	US-10-354-869-3	Sequence 11, Appl
C 41	19.8	44.0	392000	4	US-10-027-983-11	Sequence 63, Appl
C 42	19.6	43.6	595	3	US-09-276-531-63	Sequence 65, Appl
C 43	19.6	43.6	846	4	US-08-936-165A-65	Sequence 38, Appl
C 44	19.6	43.6	1299	4	US-09-222-938A-38	Sequence 522, App
C 45	19.6	43.6	1987	4	US-08-956-171B-522	

ALIGNMENTS

RESULT 1
US-08-961-527-316
; Sequence 316, Application US/08961527

; Patent No. 6420135

; GENERAL INFORMATION:

; APPLICANT: Charles Kunsch

; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences

; NUMBER OF SEQUENCES: 391

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Human Genome Sciences, Inc.

; STREET: 9410 Key West Avenue

; CITY: Rockville

; STATE: Maryland

; COUNTRY: USA

; ZIP: 20850

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

; COMPUTER: HP Vectra 486/33

; OPERATING SYSTEM: MSDOS version 6.2

; SOFTWARE: ASCII Text

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/961.527

; FILING DATE:

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Brookes, A. Anders

; REGISTRATION NUMBER: 36,373

; REFERENCE/DOCKET NUMBER: PB340P1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (301) 309-8504

; TELEFAX: (301) 309-8512

; INFORMATION FOR SEQ ID NO: 316:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2453 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

US-08-961-527-316

Query Match 52.4%; Score 23.6; DB 4; Length 2453;

Best Local Similarity 76.3%; Pred. No. 5.1;

Matches 29; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 3 CAACAATTAAACAGCGTGCATTACATATTCGATATCA 40

DB 1335 CAACAATTAAACAGCGTGCATTACATATTCGATATCA 1372

```
RESULT 2
US-09-328-352-3411/c
; Sequence 3411, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 3411
; LENGTH: 723
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-3411

Query Match      48.0%; Score 21.6; DB 4; Length 723;
Best Local Similarity 68.2%; Pred. No. 24;
Matches 30; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 2 GCAACATTAAACAGCGTCAATTACATATTGATTAATCAGGTTTC 45
    |||||
Db 554 GCTAAATTAAAAGCTTAAAGCTGATAGGCGTAATCGGTTTC 511

RESULT 3
US-08-545-528D-1
; Sequence 1, Application US/08545528D
; Patent No. 6537773
; GENERAL INFORMATION:
; APPLICANT: Fraser et al.
; TITLE OF INVENTION: Nucleotide Sequence of the Mycoplasma Genitalium Genome, Fragment
; FILE REFERENCE: PB193P1
; CURRENT APPLICATION NUMBER: US/08/545,528D
; CURRENT FILING DATE: 1995-10-19
; PRIOR APPLICATION NUMBER: US 08/488,018
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: US 08/473,545
; PRIOR FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 1
; LENGTH: 580073
; TYPE: DNA
; ORGANISM: Mycoplasma genitalium
US-08-545-528D-1

Query Match      47.1%; Score 21.2; DB 4; Length 580073;
Best Local Similarity 69.0%; Pred. No. 89;
Matches 29; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 4 AAACATTAAACAGCGTCAATTACATATTGATTAATCAGGTTTC 45
    |||||
Db 67183 AAATAAAATAACGTCGCTTTTATTATCGACTACTAGCTTC 67224

RESULT 4
US-09-060-410-8
; Sequence 8, Application US/09060410
; Patent No. 6165461
; GENERAL INFORMATION:
; APPLICANT: Cobb, Melanie
; APPLICANT: Hutchinson, Michele
; APPLICANT: Chen, Zhu
; APPLICANT: Berman, Kevin
; TITLE OF INVENTION: TAO PROTEIN KINASES AND METHODS OF USE
; FILE REFERENCE: THEREFOR
; NUMBER OF SEQUENCES: 26
```

```
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/060,410
; FILING DATE: 14-APR-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 860098.421
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 190 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-060-410-8

Query Match      46.7%; Score 21; DB 3; Length 190;
Best Local Similarity 66.7%; Pred. No. 32;
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 1 AGCAACATTAAACAGCGTCAATTACATATTGATTAATCAGGTTTC 45
    |||||
Db 8 AGAAAACTTAAGGCCATCGAAATGCAAAATTAAAAACAGTTTC 52

RESULT 5
US-09-723-458-8
; Sequence 8, Application US/09723458
; Patent No. 6586242
; GENERAL INFORMATION:
; APPLICANT: Cobb, Melanie
; APPLICANT: Hutchinson, Michele
; APPLICANT: Chen, Zhu
; APPLICANT: Berman, Kevin
; TITLE OF INVENTION: TAO PROTEIN KINASES AND METHODS OF USE
; FILE REFERENCE: THEREFOR
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/723,458
; FILING DATE: 27-NOV-1998
; CLASSIFICATION: <UNKNOWN>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/060,410
; FILING DATE: <UNKNOWN>
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
```

REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 860098.421
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 190 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 8:

Query Match 46.7%; Score 21; DB 4; Length 190;
Best Local Similarity 66.7%; Pred. No. 32;
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 AGCAACATTAAACAGCGTGCATATACATATTTGATAATCAGGTTTC 45
Db 8 AGAAACATTAAAGCCATGGAAATGCAMATTAAAAACAGTTTC 52

RESULT 6

US-09-221-017B-1040/c
Sequence 1040, Application US/09221017B
Patent No. 6444739

GENERAL INFORMATION:
APPLICANT: Ross, Bruce C.
TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
NUMBER OF SEQUENCES: 1120
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FORSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA

COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/221,017B
FILING DATE: 23-DEC-1998

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP1182
FILING DATE: 31-DEC-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP1546
FILING DATE: 30-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP2911
FILING DATE: 09-APR-1998

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/AU98/01023
FILING DATE: 10-DEC-1998
ATTORNEY/AGENT INFORMATION:
NAME: Monroy, Gladys H
REGISTRATION NUMBER: 32,430
REFERENCE/DOCKET NUMBER: 27340-20021.00
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141

INFORMATION FOR SEQ ID NO: 1040:
SEQUENCE CHARACTERISTICS:
LENGTH: 614 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: UNKNOWN
ORIGINAL SOURCE:
ORGANISM: PORYPHYROMONAS GINGIVALIS
FEATURE:
NAME/KEY: misc.feature
LOCATION: 1...614
US-09-221-017B-1040

Query Match 46.7%; Score 21; DB 4; Length 614;
Best Local Similarity 66.7%; Pred. No. 39;
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 AGCAACATTAAACAGCGTGCATATACATATTTGATAATCAGGTTTC 45
Db 369 AGCAACATTTCACAGGTGGCAACACTTAGTCAGCATGATTTTC 325

RESULT 7

US-09-328-352-599/c
Sequence 599, Application US/09328352
Patent No. 6562958

GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 599
LENGTH: 786
TYPE: DNA

ORGANISM: Acinetobacter baumannii
US-09-328-352-599

Query Match 46.7%; Score 21; DB 4; Length 786;
Best Local Similarity 73.0%; Pred. No. 40;
Matches 27; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 8 ATTAACAGCGTGCATATACATATTTGATATATCAGGTT 44
Db 341 ACTAAACAGGATCAAGTACATATTTGATCTCAGGAT 305

RESULT 8

US-09-328-352-1397/c
Sequence 1397, Application US/09328352
Patent No. 6562958

GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 1397
LENGTH: 1521
TYPE: DNA

ORGANISM: Acinetobacter baumannii
US-09-328-352-1397

Query Match 46.7%; Score 21; DB 4; Length 1521;
Best Local Similarity 66.7%; Pred. No. 44;
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 AGCAACATTAAACAGCGTGCATATACATATTTGATAATCAGGTTTC 45
Db 1032 AGCCAAAGTATATCGCGTGTATTGAGATGGATATATCCGACTC 988

RESULT 9

US-09-486-072-6/c
; Sequence 6, Application US/09486072
; Patent No. 6489155
; GENERAL INFORMATION:
; APPLICANT: Masanori TAKAYAMA, et al.
; TITLE OF INVENTION: GENES
; FILE REFERENCE: 11202/1
; CURRENT APPLICATION NUMBER: US/09/486,072
; CURRENT FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: PCT/JP98/02310
; PRIOR FILING DATE: 1998-05-26
; PRIOR APPLICATION NUMBER: JP252624/97
; PRIOR FILING DATE: 1997-09-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 2643
; TYPE: DNA
; ORGANISM: Bacteria
US-09-486-072-6

Query Match 46.7%; Score 21; DB 4; Length 2643;
Best Local Similarity 73.0%; Pred. No. 48;
Matches 27; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 1 AGCAACATTAAACAGCGTGCATTTACATATTGATAA 37
DB 877 ACCAACCATCAATCAGAGTGGCGTAACGTAGTGATAA 841

RESULT 10

US-09-453-702B-72/c
; Sequence 72, Application US/09453702B
; Patent No. 6365723
; GENERAL INFORMATION:
; APPLICANT: Blattner, Frederick R.
; Burland, Nicole T.
; Plunkett, Guy
; Welch, Rod
; TITLE OF INVENTION: No. 6365723el Sequences of E. coli O157
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44Mb storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 8.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/453,702B
; FILING DATE: 03-Dec-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/110,955
; FILING DATE: 04-DEC-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J.
; REGISTRATION NUMBER: 27386
; REFERENCE/DOCKET NUMBER: 960296.95017
; TELEPHONE: (608) 251-5000
; TELEFAX: (608) 251-9166
; INFORMATION FOR SEQ ID NO: 72:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 46819
; TYPE: nucleic acid

STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 72:
US-09-453-702B-72

Query Match 46.7%; Score 21; DB 4; Length 46819;
Best Local Similarity 73.0%; Pred. No. 75;
Matches 27; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 6 ACATTAAACAGCGTGCATTTACATATTGATAATCAGG 42
DB 42743 ACAATAAAGTCCGCAATCAGATACAGAGACTCAGG 42707

RESULT 11

US-09-963-137-151/c
; Sequence 151, Application US/09963137
; Patent No. 6596036
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Finn S
; APPLICANT: Sorensen, Annette B
; APPLICANT: Hernandez, Javier Martin
; APPLICANT: Nielsen, Anne A
; APPLICANT: Moving, Helle
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR LYMPHOMA AND LEUKEMIA
; FILE REFERENCE: A-70981/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/963,137
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US/09/668,644
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/09/905,390
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US/09/905,491
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US/09/962,929
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US/09/962,854
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US/09/962,916
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US/09/962,855
; PRIOR FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 215
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 151
; LENGTH: 3454
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-963-137-151

Query Match 46.2%; Score 20.8; DB 4; Length 3454;
Best Local Similarity 70.0%; Pred. No. 60;
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 5 ACATTAAACAGCGTGCATTTACATATTGATAATCAGGTT 44
DB 1574 ACCATTGAGCATCTCGAAGGACATATTGTTTCATGCT 1535

RESULT 12

US-09-963-137-178/c
; Sequence 178, Application US/09963137
; Patent No. 6596036
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Finn S
; APPLICANT: Sorensen, Annette B
; APPLICANT: Hernandez, Javier Martin
; APPLICANT: Nielsen, Anne A
; APPLICANT: Moving, Helle
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR LYMPHOMA AND LEUKEMIA
; FILE REFERENCE: A-70981/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/963,137

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; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/668,644
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US 09/905,390
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 09/905,491
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 09/962,929
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/962,854
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/962,916
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/962,855
; PRIOR FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 178
; LENGTH: 3454
; TYPE: DNA
; ORGANISM: Mus musculus
; US-09-963-137-178

Query Match 46.2%; Score 20.8; DB 4; Length 3454;
Best Local Similarity 70.0%; Pred. No. 60;
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 5 AACATTAAACAGCGTCGCAATTCATATTCATATCAGGTT 44
Db 1574 ACCATTGAGCATCCTCAAGGACATATTTGTTTCATGCT 1535

RESULT 13
US-08-916-421B-1/c
; Sequence 1, Application US/08916421B
; Patent No. 6503729
; GENERAL INFORMATION:
; APPLICANT: Bult et al.
; TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococcus
; Patent No. 6503729
; FILE OF INVENTION: jannaschii
; FILE REFERENCE: PB275
; CURRENT APPLICATION NUMBER: US/08/916,421B
; CURRENT FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/024,428
; PRIOR FILING DATE: 1996-08-22
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1664976
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (28222)..(28222)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (28257)..(28258)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84773)..(84773)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84808)..(84808)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84812)..(84812)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
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NAME/KEY: misc feature
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Best Local Similarity 70.0%; Pred. No. 1.2e-02;
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
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Db 1077378 AAAATTAAATATCATACAGTCAAGATTGATTATGTT 1077339
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RESULT 14
US-09-557-884-1
; Sequence 1, Application US/09557884
; Patent No. 6506581
; GENERAL INFORMATION:
; APPLICANT: Fleischmann et al.
; TITLE OF INVENTION: The Nucleotide sequence of
; the Haemophilus influenzae Rd Genome, Fragments
; Thereof, and Uses Thereof
;
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3 1/2 inch diskette
; COMPUTER: Dell Pentium
; OPERATING SYSTEM: MS DOS V6.22
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/557,884
; FILING DATE: 25-Apr-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/476,102
; FILING DATE: JUN-5-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: P8186P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1830121 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-557-884-1
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Query Match 46.2%; Score 20.8; DB 4; Length 1830121;
Best Local Similarity 70.0%; Pred. No. 1.2e-02;
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
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RESULT 15
US-09-643-990A-1
; Sequence 1, Application US/09643990A
; Patent No. 6528289
; GENERAL INFORMATION:
; APPLICANT: Robert D. Fleischmann
; Mark D. Adams
; Owen White
; Hamilton O. Smith
; J. Craig Venter
```

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; TITLE OF INVENTION: The Nucleotide sequence of
; the Haemophilus influenzae Rd Genome, Fragments
; Thereof, and Uses Thereof
;
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville,
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STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: 3 1/2 inch diskette
COMPUTER: Dell Pentium
OPERATING SYSTEM: MS DOS v6.22
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/643,990A
FILING DATE: 23-Aug-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/487,429
FILING DATE: 1995-06-07
APPLICATION NUMBER: 08/426,787
FILING DATE: 1995-04-21
ATTORNEY/AGENT INFORMATION:
NAME: Kenley K. Hoover
REGISTRATION NUMBER: 40,302
REFERENCE/DOCKET NUMBER: PB186PIC1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-610-5790
TELEFAX: 310-309-8439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1830121 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-643-990A-1

Query Match      46.2%; Score 20.8; DB 4; Length 1830121;
Best Local Similarity 70.0%; Pred. No. 1.2e+02;
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY      5 AACATTAAACAGCGTCGCAATTACATATTGATATCAGGTT 44
Db      784657 AACGTTATATCGCGTGCCAAATACACTTTGTAATACTT 784696

Search completed: March 22, 2004, 04:12:34
Job time : 89 secs
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OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 03:57:11 ; Search time 1651 Seconds
(without alignments)
100.825 Million cell updates/sec

Title: US-10-018-878-9
Perfect score: 45
Sequence: 1 agcaacattataacagcgtg.....acatattgataatcagggttc 45

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 2439257 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters: 4876514

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/2/pubna/US07_PUBCOMB.seq.*
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- 13: /cgn2_6/ptodata/2/pubna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubna/US10_NEW_PUB.seq.*
- 17: /cgn2_6/ptodata/2/pubna/US60_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/2/pubna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	45	100.0	45	9	US-09-345-492-9
2	24	53.3	411	12	US-10-424-598-127515
3	23.8	52.9	754	12	US-10-424-598-55144
4	23.8	52.9	193357	15	US-10-085-117-142
5	23.6	52.4	2453	12	US-10-158-844-316
6	23.4	52.0	580	12	US-10-424-599-12215
7	23.4	52.0	2000	9	US-09-938-842A-3804
8	23.4	52.0	2000	11	US-09-938-842A-3804
9	23	51.1	771	9	US-09-910-943-129
10	23	51.1	183337	14	US-10-020-141-5
11	22.6	50.2	447	14	US-10-032-585-6662
12	22.4	49.8	288	12	US-10-424-599-123076
13	22.4	49.8	637	15	US-10-027-632-238109
14	22.4	49.8	637	15	US-10-027-632-238110
15	22.4	49.8	814	15	US-10-027-632-148927

16	22.4	49.8	3222	15	US-10-094-749-955
17	21.8	48.4	1223	15	US-10-027-632-202630
18	21.8	48.4	5378	14	US-10-311-455-1851
19	21.8	48.4	1691139	14	US-10-087-514-1
20	21.8	48.4	1691139	15	US-10-419-723-1
21	21.6	48.0	202	12	US-10-085-783A-752
22	21.6	48.0	609	15	US-10-242-535A-752
23	21.6	48.0	609	15	US-10-027-632-255522
24	21.6	48.0	741	15	US-10-027-632-183985
25	21.6	48.0	811	15	US-10-027-632-168854
26	21.6	48.0	1983	15	US-10-369-493-43778
27	21.6	48.0	2023	12	US-10-282-122A-35509
28	21.4	47.6	685	15	US-10-398-221-2998
29	21.4	47.6	793	15	US-10-027-632-143047
30	21.4	47.6	793	15	US-10-027-632-156553
31	21.4	47.6	1404	15	US-10-027-632-258816
32	21.4	47.6	14798	14	US-10-311-455-1006
33	21.2	47.1	475	10	US-09-918-995-10205
34	21.2	47.1	640	15	US-10-027-632-156362
35	21.2	47.1	1679	14	US-10-106-698-197
36	21.2	47.1	2592	10	US-09-822-846-444
37	21.2	47.1	3594	12	US-10-282-122A-8723
38	21.2	47.1	5406	14	US-10-311-455-1071
39	21.2	47.1	5549	14	US-10-354-358-23
40	21.2	47.1	16750	12	US-10-221-714A-36
41	21.2	47.1	16750	14	US-10-311-455-494
42	21.2	47.1	580073	14	US-10-205-220-1
43	21.2	47.1	3673778	14	US-10-312-841-2
44	21	46.7	190	15	US-10-445-735-8
45	21	46.7	341	12	US-10-085-783A-27113

ALIGNMENTS

RESULT 1

US-09-345-492-9
; Sequence 9, Application US/09345492
; Patent No. US20020128457A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSON, DAVID A.
; APPLICANT: LIU, LIN
; APPLICANT: PODKOVIROV, SERGEY
; APPLICANT: WANG, BAOMIN
; TITLE OF INVENTION: VECTORS, CELLS AND PROCESSES FOR PYRIMIDINE
; TITLE OF INVENTION: PEAOXYRIBONUCLEOSIDES PRODUCTION
; FILE REFERENCE: 28460/123
; CURRENT APPLICATION NUMBER: US/09/345,492
; CURRENT FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 45
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-345-492-9

Query Match	100.0%	Score 45;	DB 9;	Length 45;
Best Local Similarity	100.0%	Pred. No. 1.7e-06;		
Matches 45;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	AGCAACATTAAACAGCGTGCATTAATGATATCAGGTTTC	45	
Db	1	AGCAACATTAAACAGCGTGCATTAATGATATGATATCAGGTTTC	45	

RESULT 2

US-10-424-599-127515/c
; Sequence 127515, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:

APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 127515
LENGTH: 421
TYPE: DNA
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_86J50C.1
US-10-424-599-127515
Query Match 53.3%; Score 24; DB 12; Length 421;
Best Local Similarity 75.0%; Pred. No. 77;
Matches 30; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
QY 1 AGCAACATTAAACAGCGTGCATTTACATATTGATAATCA 40
Db 98 ACCCACTATAAAACCTTCATGATAATGATAATCA 59
RESULT 3
US-10-424-599-55144/c
Sequence 55144, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 55144
LENGTH: 754
TYPE: DNA
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_20806C.1
US-10-424-599-55144
Query Match 52.9%; Score 23.8; DB 12; Length 754;
Best Local Similarity 72.1%; Pred. No. 1.1e+02;
Matches 31; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 2 GCAACATTAAACAGCGTGCATTTACATATTGATAATCAGTT 44
Db 735 GAAATAATAAACAGCAACAATTCGAGATTGATTATTGCTT 693
RESULT 4
US-10-085-117-142/c
Sequence 142, Application US/10085117
Publication No. US20030232334A1
GENERAL INFORMATION:
APPLICANT: Morris, David W.
APPLICANT: Engelhard, Eric K.
TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
FILE REFERENCE: 529452000121
CURRENT APPLICATION NUMBER: US/10/085,117
CURRENT FILING DATE: 2002-02-27
PRIOR APPLICATION NUMBER: US 03/798,596
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 361

SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 142
LENGTH: 193357
TYPE: DNA
ORGANISM: Homo sapiens
US-10-085-117-142
Query Match 52.9%; Score 23.8; DB 15; Length 193357;
Best Local Similarity 72.1%; Pred. No. 4.5e+02;
Matches 31; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 1 AGCAACATTAAACAGCGTGCATTTACATATTGATAATCAGTT 43
Db 186434 ATCAACCCCTTCAAGCGTGCATTCACATTTGGATCAACAGTT 186392
RESULT 5
US-10-158-844-316
Sequence 316, Application US/10158844
Publication No. US20040029118A1
GENERAL INFORMATION:
APPLICANT: Kunsch et al.
TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
NUMBER OF SEQUENCES: 391
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: Dell Latitude Pentium 3
OPERATING SYSTEM: Windows 98
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/158,844
FILING DATE: 03-Jun-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/961,527
FILING DATE: 1997-10-30
APPLICATION NUMBER: US 60/029,960
FILING DATE: 1996-10-31
ATTORNEY/AGENT INFORMATION:
NAME: Hymat, Mark J.
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB340P1D1
INFORMATION FOR SEQ ID NO: 316:
SEQUENCE CHARACTERISTICS:
LENGTH: 2453 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 316:
US-10-158-844-316
Query Match 52.4%; Score 23.6; DB 12; Length 2453;
Best Local Similarity 76.3%; Pred. No. 1.7e+02;
Matches 29; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 3 CAACATTAACACGCGTGCATTTACATATTGATAATCA 40
Db 1335 CAACATTAACGCGTGCATTAATGTTGATAATCA 1372
RESULT 6
US-10-424-599-12215/c
Sequence 12215, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J

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; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 12215
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MBT3847_111038C.1
US-10-424-599-12215

Query Match      52.0%; Score 23.4; DB 12; Length 580;
Best Local Similarity 73.2%; Pred. No. 1.4e+02;
Matches 30; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy      5  RACATTAACACGGCGTCAATTACATATTGATTAATCAGGTTTC 45
Db      81  AACTCTAAATGATCGTGGTTTACATCTCTGATTAATCAATTC 41

RESULT 7
US-09-938-842A-3804/c
; Sequence 3804, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; TITLE OF INVENTION: SAME AND METHODS OF USE
; FILE REFERENCE: SCRIPT300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 3804
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-3804

Query Match      52.0%; Score 23.4; DB 9; Length 2000;
Best Local Similarity 73.2%; Pred. No. 1.9e+02;
Matches 30; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy      3  CAACATTAAACACGGCGTCAATTACATATTGATTAATCAGGT 43
Db      435  CATACATTAATCATCGTACGATTACATATTGTTTAAAGTT 473

RESULT 8
US-09-938-842A-3804/c
; Sequence 3804, Application US/09938842A
; Patent No. US2004009476A9
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; TITLE OF INVENTION: SAME AND METHODS OF USE
US-09-938-842A-3804

Query Match      52.0%; Score 23.4; DB 9; Length 2000;
Best Local Similarity 73.2%; Pred. No. 1.9e+02;
Matches 30; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy      3  CAACATTAAACACGGCGTCAATTACATATTGATTAATCAGGT 43
Db      435  CATACATTAATCATCGTACGATTACATATTGTTTAAAGTT 473

RESULT 9
US-09-910-943-129
; Sequence 129, Application US/09910943
; Patent No. US20020081610A1
; GENERAL INFORMATION:
; APPLICANT: Hemmati-Brivanlou, Ali
; APPLICANT: Altman, Curtis
; TITLE OF INVENTION: Assays and Materials for Embryonic Gene Expression
; FILE REFERENCE: 7529/1GI48051
; CURRENT APPLICATION NUMBER: US/09/910,943
; CURRENT FILING DATE: 2001-07-23
; NUMBER OF SEQ ID NOS: 742
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 129
; LENGTH: 771
; TYPE: DNA
; ORGANISM: Xenopus laevis
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(771)
; OTHER INFORMATION: n may be a o r g o r c o r t/u
US-09-910-943-129

Query Match      51.1%; Score 23; DB 9; Length 771;
Best Local Similarity 74.4%; Pred. No. 2e+02;
Matches 29; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy      3  CAACATTAAACACGGCGTCAATTACATATTGATTAATCAG 41
Db      435  CATACATTAATCATCGTACGATTACATATTGTTTAAAGTT 473

RESULT 10
US-10-020-141-5/c
; Sequence 5, Application US/10020141
; Publication No. US20030092013A1
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Jeanette
; APPLICANT: Ableson, Allen
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE
; FILE REFERENCE: MMI-002
; CURRENT APPLICATION NUMBER: US/10/020,141
; CURRENT FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/313,097
; PRIOR FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: US 60/327,485
; PRIOR FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 21
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; FILE REFERENCE: SCRIPT300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 3804
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-3804

Query Match      52.0%; Score 23.4; DB 11; Length 2000;
Best Local Similarity 73.2%; Pred. No. 1.9e+02;
Matches 30; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy      3  CAACATTAAACACGGCGTCAATTACATATTGATTAATCAGGT 43
Db      468  CAAGTATTATCATCGTACGATTACATATTGTTTAAAGTT 428

RESULT 9
US-09-910-943-129
; Sequence 129, Application US/09910943
; Patent No. US20020081610A1
; GENERAL INFORMATION:
; APPLICANT: Hemmati-Brivanlou, Ali
; APPLICANT: Altman, Curtis
; TITLE OF INVENTION: Assays and Materials for Embryonic Gene Expression
; FILE REFERENCE: 7529/1GI48051
; CURRENT APPLICATION NUMBER: US/09/910,943
; CURRENT FILING DATE: 2001-07-23
; NUMBER OF SEQ ID NOS: 742
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 129
; LENGTH: 771
; TYPE: DNA
; ORGANISM: Xenopus laevis
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(771)
; OTHER INFORMATION: n may be a o r g o r c o r t/u
US-09-910-943-129

Query Match      51.1%; Score 23; DB 9; Length 771;
Best Local Similarity 74.4%; Pred. No. 2e+02;
Matches 29; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy      3  CAACATTAAACACGGCGTCAATTACATATTGATTAATCAG 41
Db      435  CATACATTAATCATCGTACGATTACATATTGTTTAAAGTT 473

RESULT 10
US-10-020-141-5/c
; Sequence 5, Application US/10020141
; Publication No. US20030092013A1
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Jeanette
; APPLICANT: Ableson, Allen
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE
; FILE REFERENCE: MMI-002
; CURRENT APPLICATION NUMBER: US/10/020,141
; CURRENT FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/313,097
; PRIOR FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: US 60/327,485
; PRIOR FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 21
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 183337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-020-141-5

Query Match      51.1%; Score 23; DB 14; Length 183337;
Best Local Similarity 74.4%; Pred. No. 8.4e+02;
Matches 29; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY  2 GCACATTAACACGCGTCAATTACATATTGATAATCA 40
Db  132374 GCCAATTTACTCTGCGCAATAGATATTCCTTAATCA 132336

RESULT 11
US-10-032-585-6062/c
; Sequence 6062, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
; APPLICANT: Terry, Roemer D.
; APPLICANT: Bo, Jiang
; APPLICANT: Charles, Boone
; APPLICANT: Howard, Bussey
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
; FILE REFERENCE: 10182-005-999
; CURRENT APPLICATION NUMBER: US/10/032,585
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 8000
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 6062
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Candida albicans
US-10-032-585-6062

Query Match      50.2%; Score 22.6; DB 14; Length 447;
Best Local Similarity 68.9%; Pred. No. 2.4e+02;
Matches 31; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY  1 ACCAACATTAAACGCGTCAATTACATATTGATAATCAGGTT 45
Db  156 ACCAATGATTAATAATCGTTGAATCCAGTTTGATAACATATTC 112

RESULT 12
US-10-424-599-123076
; Sequence 123076, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 123076
; LENGTH: 288
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(288)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_82144C.1
US-10-424-599-123076
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Query Match      49.8%; Score 22.4; DB 12; Length 288;
Best Local Similarity 70.7%; Pred. No. 2.6e+02;
Matches 29; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY  4 AAACATTAAACACGCGTCAATTACATATTGATAATCAGGTT 44
Db  154 AACATNAAGCACATTCGCATTCGCCATTCATGATGAGAGGTT 194

RESULT 13
US-10-027-632-238109
; Sequence 238109, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 238109
; LENGTH: 637
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-238109

Query Match      49.8%; Score 22.4; DB 15; Length 637;
Best Local Similarity 72.5%; Pred. No. 3.2e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY  4 AAACATTAAACACGCGTCAATTACATATTGATAATCAGGTT 43
Db  13 AAACATTACCAAGCTCCAATTATAAATTTATAAATAGAT 52

RESULT 14
US-10-027-632-238110
; Sequence 238110, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
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; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 238110
; LENGTH: 637
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-238110

Query Match      49.8%; Score 22.4; DB 15; Length 637;
Best Local Similarity 72.5%; Pred. No. 3.2e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy      4 AAACATTAAACAGCGTGCATTACATATTGATTAATCAGGT 43
      |||||
Db      13 AAACATTACCAGCTCCCAATTATTAATTATTAATAGAT 52

RESULT 15
US-10-027-632-148927
; Sequence 148927, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 148927
; LENGTH: 814
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-148927

Query Match      49.8%; Score 22.4; DB 15; Length 814;
Best Local Similarity 81.2%; Pred. No. 3.4e+02;
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy      8 ATTAACAGCGTGCATTACATATTGATAATC 39
      |||||
Db      123 AATAGAGGCTGCATTACATTTTGAATC 154
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